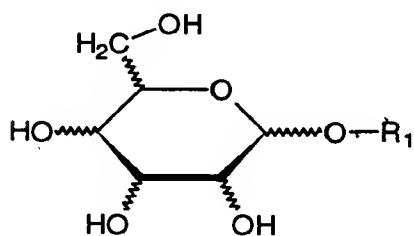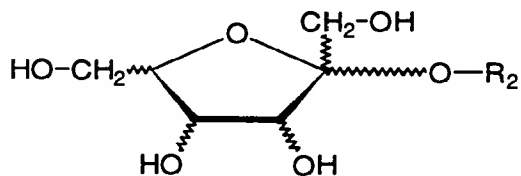## Claims:

1. Use of alkylated and/or acylated monosaccharides and/or oligosaccharides as antimicrobial, antimycotic and/or antiviral active ingredients.

2. The method according to Claim 1, characterized in that the alkylated and/or acylated monosaccharide(s) is/are chosen from substances which are given by the general structural formulae
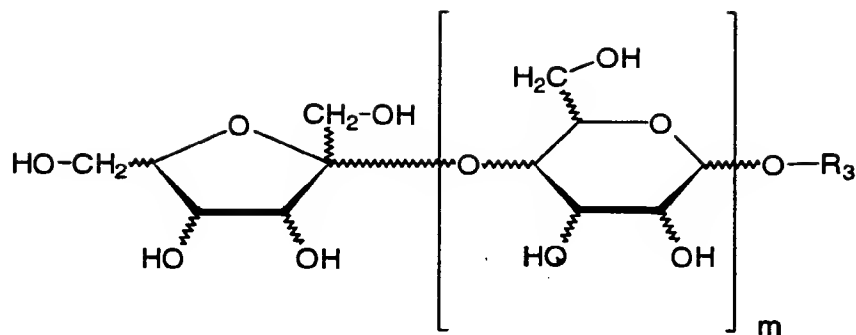

and

in which R_1 and/or R_2 include branched or unbranched saturated alkyl groups or acyl groups having 1 - 25 carbon atoms.

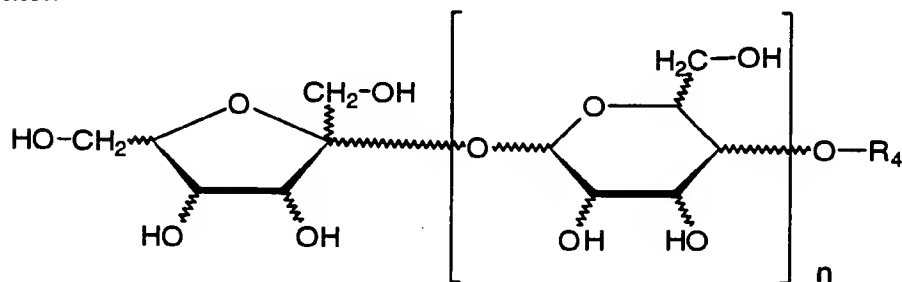3. The method according to Claim 1, characterized in that the alkylated and/or acylated disaccharide(s) or oligo-glucosides are chosen from substances which are given by the general structural formulae
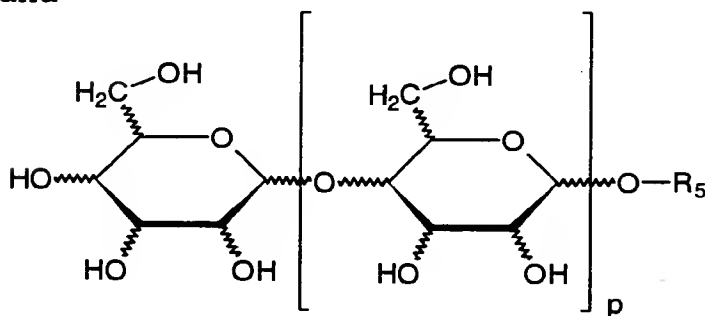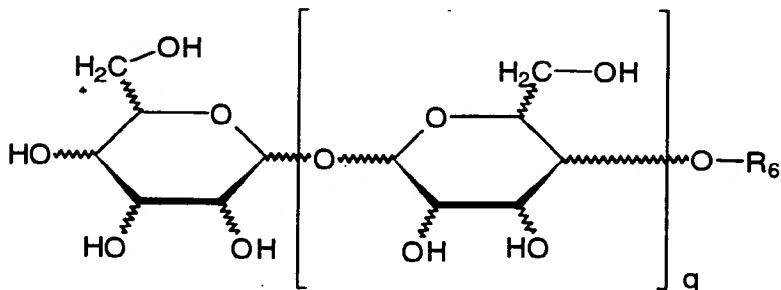
where m = 1 - 4

and

where n = 1 - 4

and

where p = 1 - 4

and

where q = 1 - 4

in which R_3 - R_6 include branched or unbranched saturated alkyl groups or acyl groups having 1 - 25 carbon atoms.

4. *The method* ~~Use~~ according to Claim 8, characterized in that the alkylated and/or acylated monosaccharides and/or oligosaccharides are present in cosmetic or dermatological formulations.

5. *The method* ~~Use~~ according to Claim 8, characterized in that the alkylated and/or acylated monosaccharides and/or oligosaccharides are chosen from the group consisting of β-D-octylglucopyranoside, β-D-nonylglucopyranoside, β-D-decylglucopyranoside, β-D-undecylglucopyranoside, β-D-dodecylglucopyranoside, β-D-tetradecyl-glucopyranoside and β-D-hexadecylglucopyranoside.

6. *The method* ~~Use~~ according to Claim 8, characterized in that the alkylated and/or acylated monosaccharides and/or oligosaccharides are present in natural or synthetic raw materials or auxiliaries or mixtures.

7. *The method* ~~Use~~ according to Claim 4, characterized in that the alkylated and/or acylated monosaccharides and/or oligosaccharides are used in cosmetic or dermatological formulations in a content of 0.005 - 50.0% by weight, ~~in particular 0.01 - 20.0% by weight~~, based on the total weight of the composition.